

CLAIM AMENDMENTS

Claims 1 to 7, (cancelled).

Claim 8. (New) A toothbrush comprising:

an elongated structure formed at a lower end with a hollow handle having an interior cavity;

a sliding piston in said interior cavity subdividing said interior cavity into an intermediate chamber above said piston and containing a supply of a toothpaste, and a lower chamber communicating with an exterior through a minute orifice;

a variable-volume upper chamber formed at an upper end of said hollow handle;

a spring-loaded first valve blocking flow of toothpaste from said upper chamber back into said intermediate chamber, but permitting flow of toothpaste from said intermediate chamber into said upper chamber upon a reduction in pressure in said upper chamber;

a trigger at the upper end of said hollow handle, manually displaceable generally axially thereon, and decreasing a volume of said upper chamber to displace toothpaste therefrom, said trigger having an elastic repositioning device in the form of a spring urging said trigger into a position corresponding to a maximum volume of said upper chamber; and

a tubular extension having:

22 a passage extending along a length thereof and
23 communicating with said upper chamber to receive toothpaste
24 therefrom upon actuation of said trigger,

25 a brush head at an end of said extension
26 having a head orifice communicating between said passage and said
27 brush for delivering toothpaste to bristles thereof, and

28 a spring-loaded second valve at said head
29 orifice to allow toothpaste to pass through said head orifice only
30 when pressure in said passage is in excess of ambient pressure.

1 Claim 9. (New) A toothbrush comprising:

2 an elongated structure formed at a lower end with a
3 hollow handle having an interior cavity;

4 a sliding piston in said interior cavity subdividing said
5 interior cavity into an intermediate chamber above said piston and
6 containing a supply of a toothpaste, and a lower chamber
7 communicating with an exterior through a minute orifice;

8 a variable-volume upper chamber formed at an upper end of
9 said hollow handle;

10 a spring-loaded first valve blocking flow of toothpaste
11 from said upper chamber back into said intermediate chamber, but
12 permitting flow of toothpaste from said intermediate chamber into
13 said upper chamber upon a reduction in pressure in said upper
14 chamber;

15 a trigger at the upper end of said hollow handle,
16 manually displaceable generally axially thereon, and decreasing a

17 volume of said upper chamber to displace toothpaste therefrom, said
18 trigger having an elastic repositioning device in the form of a
19 spring urging said trigger into a position corresponding to a
20 maximum volume of said upper chamber;

21 a tubular extension axially retractible in said housing
22 and axially extensible therefrom, said extension having:

23 a passage extending along a length thereof and
24 communicating with said upper chamber in an extended position of
25 said extension to receive toothpaste therefrom upon actuation of
26 said trigger, said passage not receiving toothpaste from said upper
27 chamber in a retracted position of said extension,

28 a brush head at an end of said extension
29 having a head orifice communicating between said passage and said
30 brush for delivering toothpaste to bristles thereof, and

31 a spring-loaded second valve at said head
32 orifice to allow toothpaste to pass through said head orifice only
33 when pressure in said passage is in excess of ambient pressure; and

34 seals around said extension and at a location of
35 communication between said upper chamber and said passage.

1 Claim 10. (New) The toothbrush defined in claim 9,
2 further comprising a lock to releasably fix said extension in said
3 retracted position and said extended position.

1 Claim 11. (New) The toothbrush defined in claim 10,
2 further comprising a cover fitting onto an upper part of said
3 handle and covering said head and said trigger.

1 Claim 12. (New) The toothbrush defined in claim 9,
2 further comprising a spring in said structure which is compressed
3 in the retracted position of said extension.